<210> 1
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(20)
<223> IL-1 (-511)-forward primer

<223> Synthetic oligonucleotide

<400> 1
gcagagctca tctggcattg

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(20)
<223> IL-1 (-511)-reverse primer

<223> Synthetic ologonucleotide

<400> 2
tatgtgggac aaagtggaag

<210> 3
<211> 22
<212> DNA

<213> Artifical Sequence

<220>
<221> primer_bind
<222> (1)...(22)
<223> IL-1 (-31)-forward primer

<223> Synthetic oligonucleotide

<400> 3
gcacaacgat tgtcaggaaa ac

<210> 4
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<222> (1)...(22)
<223> IL-1 (-31)-reverse primer

<223> Synthetic ologonucleotide

<400> 4
atgcatacac acaaagaggc ag

<210> 5
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> allele
<222> (1)...(55)
<223> Nucleotide sequence surrounding the (-511) IL-1 polymorphism, allele 1

<400> 5
ctgcaattga cagagagctc ccgaggcaga gaacagcacc caaggtagag accca

<210> 6
<211> 55
<212> DNA
<213> Homo sapiens
<220>
<221> allele
<222> (1)...(55)
<223> Nucleotide sequence surrounding the (-511) IL-1 polymorphism, allele 2

<400> 6
ctgcaattga cagagagctc ctgaggcaga gaacagcacc caaggtagag accca

<210> 7
<211> 63
<212> DNA
<213> Homo sapiens
<220>

<221> allele
<222> (1)...(63)
<223> Nucleotide sequence surrounding the (-31) IL-1 polymorphism, allele 1
<400> 7
tcctacttct gcttttgaaa gccataaaaa cagcgaggga gaaactggca gataccaaac 60
ctc   63

<210> 8
<211> 63
<212> DNA
<213> Homo sapiens
<220>
<221> allele
<222> (1)...(63)
<223> Nucleotide sequence surrounding the (-31) IL-1 polymorphism,allele 2

<400> 8
tcctacttct gcttttgaaa gctataaaaa cagcgaggga gaaactggca gataccaaac 60
ctc   63

<210> 9
<211> 55
<212> DNA
<213> Homo sapiens
<220>
<221> allele
<222> (1)...(55)
<223> Nucleotide sequence surrounding the (-511) IL-1 polymorphism;
      n at position 22 may be c or t

<400> 9
ctgcaattga cagagagctc cngaggcaga gaacagcacc caaggtagag accca

<210> 10
<211> 63
<212> DNA
<213> Homo sapiens
<220>
<221> allele
<222> (1)...(63)
<223> Nucleotide sequence surrounding the (-31) IL-1 polymorphism;
      n at position 23 may be c or t

<400> 10
tcctacttct gcttttgaaa gcnataaaaa cagcgaggga gaaactggca gataccaaac 60
ctc   63

<210> 11
<211> 9721
<212> DNA
<213> Homo sapiens

<400> 11

agaaagaaag agagagagaa agaaagaaa gaggaaggaa ggaaggaagg aagaaagaca   60

```
ggctctgagg aaggtggcag ttcctacaac gggagaacca gtggttaatt tgcaaagtgg      120

atcctgtgga ggcanncaga ggagtcccct aggccaccca gacagggctt ttagctatct      180

gcaggccaga caccaaattt caggagggct cagtgttagg aatggattat ggcttatcaa      240

attcacagga aactaacatg ttgaacagct tttagatttc ctgtggaaaa tataacttac      300

taaagatgga gttcttgtga ctgactcctg atatcaagat actgggagcc aaattaaaaa      360

tcagaaggct gcttggagag caagtccatg aaatgctctt tttcccacag tagaacctat      420

ttccctcgtg tctcaaatac ttgcacagag gctcactccc ttggataatg cagagcgagc      480

acgatacctg gcacatacta atttgaataa aatgctgtca aattcccatt cacccattca      540

agcagcaaac tctatctcac ctgaatgtac atgccaggca ctgtgctaga cttggctcaa      600

aaagatttca gtttcctgga ggaaccagga gggcaaggtt tcaactcagt gctataagaa      660

gtgttacagg ctggacacgg tggctcacgc ctgtaatccc aacatttggg aggccgaggc      720

gggcagatca caaggtcagg agatcgagac catcctggct aacatggtga aaccctgtct      780

ctactaaaaa tacaaaaaat tagccgggcg ttggcggcag gtgcctgtag tcccagctgc      840

tggggaggct gaggcaggag aatggtgtga acccgggagg cggaacttgc aggggggcga      900

gatcgtgcca ctgcactcca gcctgggcga cagagtgaga ctctgtctca aaaaaaaaa      960

aaaagtgtta tgatgcagac ctgtcaaaga ggcaaggag ggtgttccta cactccaggc     1020

actgttcata acctggactc tcattcattc tacaaatgga gggctcccct gggcagatcc     1080

ctggagcagg cactttgctg gtgtctcggt taaagagaaa ctgataactc ttggtattac     1140

caagagatag agtctcagat ggatattctt acagaaacaa tattcccact tttcagagtt     1200

caccaaaaaa tcattttagg cagagctcat ctggcattga tctggttcat ccatgagatt     1260

ggctagggta acagcacctg gtcttgcagg gttgtgtgag cttatctcca gggttgcccc     1320

aactccgtca ggagcctgaa ccctgcatac cgtatgttct ctgccccagc caagaaaggt     1380

caattttctc ctcagaggct cctgcaattg acagagagct cccgaggcag agaacagcac     1440

ccaaggtaga gacccacacc ctcaatacag acagggaggg ctattggccc ttcattgtac     1500

ccatttatcc atctgtaagt gggaagattc ctaaacttaa gtacaaagaa gtgaatgaag     1560

aaaagtatgt gcatgtataa atctgtgtgt cttccacttt gtcccacata tactaaattt     1620

aaacattctt ctaacgtggg aaaatccagt attttaatgt ggacatcaac tgcacaacga     1680

ttgtcaggaa aacaatgcat atttgcatgg tgatacattt gcaaaatgtg tcatagtttg     1740
```

```
ctactccttg cccttccatg aaccagagaa ttatctcagt ttattagtcc cctcccctaa    1800

gaagcttcca ccaatactct tttccccttt cctttaactt gattgtgaaa tcaggtattc    1860

aacagagaaa tttctcagcc tcctacttct gcttttgaaa gctataaaaa cagcgaggga    1920

gaaactggca gataccaaac ctcttcgagg cacaaggcac aacaggctgc tctgggattc    1980

tcttcagcca atcttcattg ctcaagtatg actttaatct tccttacaac taggtgctaa    2040

gggagtctct ctgtctctct gcctctttgt gtgtatgcat attctctctc tctctctctt    2100

tctttctctg tctctcctct ccttcctctc tgcctcctct ctcagctttt tgcaaaaatg    2160

ccaggtgtaa tataatgctt atgactcggg aaatattctg ggaatggata ctgcttatct    2220

aacagctgac accctaaagg ttagtgtcaa agcctctgct ccagctctcc tagccaatac    2280

attgctagtt ggggtttggt ttagcaaatg cttttctcta gacccaaagg acttctcttt    2340

cacacattca ttcatttact cagagatcat ttctttgcat gactgccatg cactggatgc    2400

tgagagaaat cacacatgaa cgtagccgtc atggggaagt cactcatttt ctccttttta    2460

cacaggtgtc tgaagcagcc atggcagaag tacctgagct cgccagtgaa atgatggctt    2520

attacaggtc agtggagacg ctgagaccag taacatgagc aggtctcctc tttcaagagt    2580

agagtgttat ctgtgcttgg agaccagatt tttcccctaa attgcctctt tcagtggcaa    2640

acagggtgcc aagtaaatct gatttaaaga ctactttccc attacaagtc cctccagcct    2700

tgggacctgg aggctatcca gatgtgttgt tgcaagggct tcctgcagag gcaaatgggg    2760

agaaaagatt ccaagcccac aatacaagga atccctttgc aaagtgtggc ttggagggag    2820

agggagagct cagattttag ctgactctgc tgggctagag gttaggcctc aagatccaac    2880

agggagcacc agggtgccca cctgccaggc ctagaatctg ccttctggac tgttctgcgc    2940

atatcactgt gaaacttgcc aggtgtttca ggcagctttg agaggcaggc tgtttgcagt    3000

ttcttatgaa cagtcaagtc ttgtacacag ggaaggaaaa ataaacctgt ttagaagaca    3060

taattgagac atgtccctgt ttttattaca gtggcaatga ggatgacttg ttctttgaag    3120

ctgatggccc taaacagatg aaggtaagac tatgggttta actcccaacc caaggaaggg    3180

ctctaacaca gggaaagctc aaagaaggga gttctgggcc actttgatgc catggtattt    3240

tgttttagaa agactttaac ctcttccagt gagacacagg ctgcaccact tgctgacctg    3300

gccacttggt catcatatca ccacagtcac tcactaacgt tggtggtggt ggccacactt    3360

ggtggtgaca ggggaggagt agtgataatg ttcccatttc atagtaggaa gacaaccaag    3420

tcttcaacat aaatttgatt atcctttttaa gagatggatt cagcctatgc caatcacttg    3480
```

```
agttaaactc tgaaaccaag agatgatctt gagaactaac atatgtctac cccttttgag        3540

tagaatagtt ttttgctacc tggggtgaag cttataacaa caagacatag atgatataaa        3600

caaaaagatg aattgagact tgaaagaaaa ccattcactt gctgtttgac cttgacaagt        3660

cattttaccc gctttggacc tcatctgaaa aataaagggc tgagctggat gatctctgag        3720

attccagcat cctgcaacct ccagttctga aatattttca gttgtagcta agggcatttg        3780

ggcagcaaat ggtcattttt cagactcatc cttacaaaga gccatgttat attcctgctg        3840

tcccttctgt tttatatgat gctcagtagc cttcctaggt gcccagccat cagcctagct        3900

aggtcagttg tgcaggttgg aggcagccac ttttctctgg ctttatttta ttccagtttg        3960

tgatagcctc ccctagcctc ataatccagt cctcaatctt gttaaaaaca tatttcttta        4020

gaagttttaa gactggcata acttcttggc tgcagctgtg ggaggagccc attggcttgt        4080

ctgcctggcc tttgcccccc attgcctctt ccagcagctt ggctctgctc caggcaggaa        4140

attctctcct gctcaacttt cttttgtgca cttacaggtc tctttaactg tctttcaagc        4200

ctttgaacca ttatcagcct taaggcaacc tcagtgaagc cttaatacgg agcttctctg        4260

aataagagga aagtggtaac atttcacaaa aagtactctc acaggatttg cagaatgcct        4320

atgagacagt gttatgaaaa aggaaaaaaa agaacagtgt agaaaaattg aatacttgct        4380

gagtgagcat aggtgaatgg aaaatgttat ggtcatctgc atgaaaaagc aaatcatagt        4440

gtgacagcat tagggataca aaaagatata gagaaggtat acatgtatgg tgtaggtggg        4500

gcatgtacaa aaagatgaca agtagaatcg ggatttattc taaagaatag cctgtaaggt        4560

gtccagaagc cacattctag tcttgagtct gcctctacct gctgtgtgcc cttgagtaca        4620

cccttaacct ccttgagctt cagagaggga taatcttttt attttatttt attttatttt        4680

gttttgtttt gttttgtttt gttttatgag acagagtctc actctgttgc ccaggctgga        4740

gtgcagtggt acaatcttgg cttactgcat cctccacctc ctgagttcaa gcgattctcc        4800

ttcctcagtc tcctgaatag ctaggattac aggtgcaccc caccacaccc agctaatttt        4860

tgtattttta gtagagaagg ggtttcgcca tgttggccag gctggttttg aagtcctgac        4920

ctaaatgatt catccacctc ggcttcccaa agtgctggga ttacaggcat gagccaccac        4980

gcctggccca gagagggatg atctttagaa gctcgggatt ctttcaagcc ctttcctcct        5040

ctctgagctt tctactctct gatgtcaaag catggttcct ggcaggacca cctcaccagg        5100

ctccctccct cgctctctcc gcagtgctcc ttccaggacc tggacctctg ccctctggat        5160
```

```
ggcggcatcc agctacgaat ctccgaccac cactacagca agggcttcag gcaggccgcg      5220

tcagttgttg tggccatgga caagctgagg aagatgctgg ttccctgccc acagaccttc      5280

caggagaatg acctgagcac cttctttccc ttcatctttg aagaaggtag ttagccaaga      5340

gcaggcagta gatctccact tgtgtcctct tggaagtcat caagccccag ccaactcaat      5400

tcccccagag ccaaagccct ttaaaggtag aaggcccagc ggggagacaa aacaaagaag      5460

gctggaaacc aaagcaatca tctctttagt ggaaactatt cttaaagaag atcttgatgg      5520

ctactgacat ttgcaactcc ctcactcttt ctcaggggcc tttcacttac attgtcacca      5580

gaggttcgta acctccctgt gggctagtgt tatgaccatc accattttac ctaagtagct      5640

ctgttgctcg gccacagtga gcagtaatag acctgaagct ggaacccatg tctaatagtg      5700

tcaggtccag tgttcttagc caccccactc ccagcttcat ccctactggt gttgtcatca      5760

gactttgacc gtatatgctc aggtgtcctc caagaaatca aattttgcca cctcgcctca      5820

cgaggcctgc ccttctgatt ttatacctaa acaacatgtg ctccacattt cagaacctat      5880

cttcttcgac acatgggata acgaggctta tgtgcacgat gcacctgtac gatcactgaa      5940

ctgcacgctc cgggactcac agcaaaaaag cttggtgatg tctggtccat atgaactgaa      6000

agctctccac ctccagggac aggatatgga gcaacaaggt aaatggaaac atcctggttt      6060

ccctgcctgg cctcctggca gcttgctaat tctccatgtt ttaaacaaag tagaaagtta      6120

atttaaggca aatgatcaac acaagtgaaa aaaatatta aaaggaata tacaaacttt      6180

ggtcctagaa atggcacatt tgattgcact ggccagtgca tttgttaaca ggagtgtgac      6240

cctgagaaat tagacggctc aagcactccc aggaccatgt ccacccaagt ctcttgggca      6300

tagtgcagtg tcaattcttc cacaatatgg ggtcatttga tggacatggc ctaactgcct      6360

gtgggttctc tcttcctgtt gttgaggctg aaacaagagt gctggagcga taatgtgtcc      6420

atccccctcc ccagtcttcc ccccttgccc caacatccgt cccacccaat gccaggtggt      6480

tccttgtagg gaaattttac cgcccagcag gaacttatat ctctccgctg taacgggcaa      6540

aagtttcaag tgcggtgaac ccatcattag ctgtggtgat ctgcctggca tcgtgccaca      6600

gtagccaaag cctctgcaca ggagtgtggg caactaaggc tgctgacttt gaaggacagc      6660

ctcactcagg gggaagctat ttgctctcag ccaggccaag aaaatcctgt ttctttggaa      6720

tcgggtagta agagtgatcc cagggcctcc aattgacact gctgtgactg aggaagatca      6780

aaatgagtgt ctctctttgg agccactttc ccagctcagc ctctcctctc ccagtttctt      6840

cccatgggct actctctgtt cctgaaacag ttctggtgcc tgatttctgg cagaagtaca      6900
```

```
gcttcacctc tttcctttcc ttccacattg atcaagttgt tccgctcctg tggatgggca    6960

cattgccagc cagtgacaca atggcttcct tccttccttc cttcagcatt taaaatgtag    7020

accctctttc attctccgtt cctactgcta tgaggctctg agaaaccctc aggcctttga    7080

ggggaaaccc taaatcaaca aaatgaccct gctattgtct gtgagaagtc aagttatcct    7140

gtgtcttagg ccaaggaacc tcactgtggg ttcccacaga ggctaccaat tacatgtatc    7200

ctactctcgg ggctaggggt tggggtgacc ctgcatgctg tgtccctaac cacaagaccc    7260

ccttctttct tcagtggtgt tctccatgtc ctttgtacaa ggagaagaaa gtaatgacaa    7320

aatacctgtg gccttgggcc tcaaggaaaa gaatctgtac ctgtcctgcg tgttgaaaga    7380

tgataagccc actctacagc tggaggtaag tgaatgctat ggaatgaagc ccttctcagc    7440

ctcctgctac cacttattcc cagacaattc accttctccc cgcccccatc cctaggaaaa    7500

gctgggaaca ggtctatttg acaagttttg cattaatgta aataaattta acataatttt    7560

taactgcgtg caaccttcaa tcctgctgca gaaaattaaa tcattttgcc gatgttatta    7620

tgtcctacca tagttacaac cccaacagat tatatattgt tagggctgct ctcatttgat    7680

agacaccttg ggaaatagat gacttaaagg gtcccattat cacgtccact ccactcccaa    7740

aatcaccacc actatcacct ccagctttct cagcaaaagc ttcatttcca agttgatgtc    7800

attctaggac cataaggaaa aatacaataa aaagcccctg gaaactaggt acttcaagaa    7860

gctctagctt aattttcacc cccccaaaaa aaaaaaattc tcacctacat tatgctcctc    7920

agcatttggc actaagtttt agaaaagaag aagggctctt ttaataatca cacagaaagt    7980

tgggggccca gttacaactc aggagtctgg ctcctgatca tgtgacctgc tcgtcagttt    8040

cctttctggc caacccaaag aacatctttc ccataggcat ctttgtccct tgccccacaa    8100

aaattcttct ttctctttcg ctgcagagtg tagatcccaa aaattaccca agaagaaga    8160

tggaaaagcg atttgtcttc aacaagatag aaatcaataa caagctggaa tttgagtctg    8220

cccagttccc caactggtac atcagcacct ctcaagcaga aacatgccc gtcttcctgg    8280

gagggaccaa aggcggccag gatataactg acttcaccat gcaatttgtg tcttcctaaa    8340

gagagctgta cccagagagt cctgtgctga atgtggactc aatccctagg gctggcagaa    8400

agggaacaga aaggtttttg agtacggcta tagcctggac tttcctgttg tctacaccaa    8460

tgcccaactg cctgccttag ggtagtgcta agaggatctc ctgtccatca gccaggacag    8520

tcagctctct cctttcaggg ccaatcccca gcccttttgt tgagccaggc ctctctcacc    8580
```

```
tctcctactc acttaaagcc cgcctgacag aaaccacggc cacatttggt tctaagaaac    8640

cctctgtcat tcgctcccac attctgatga gcaaccgctt ccctatttat ttatttattt    8700

gtttgtttgt tttgattcat tggtctaatt tattcaaagg gggcaagaag tagcagtgtc    8760

tgtaaaagag cctagttttt aatagctatg gaatcaattc aatttggact ggtgtgctct    8820

ctttaaatca agtcctttaa ttaagactga aaatatataa gctcagatta tttaaatggg    8880

aatatttata aatgagcaaa tatcatactg ttcaatggtt ctgaaataaa cttcactgaa    8940

gaaaaaaaaa aaagggtctc tcctgatcat tgactgtctg gattgacact gacagtaagc    9000

aaacaggctg tgagagttct tgggactaag cccactcctc attgctgagt gctgcaagta    9060

cctagaaata tccttggcca ccgaagacta tcctcctcac ccatcccctt tatttcgttg    9120

ttcaacagaa ggatattcag tgcacatctg gaacaggatc agctgaagca ctgcagggag    9180

tcaggactgg tagtaacagc taccatgatt tatctatcaa tgcaccaaac atctgttgag    9240

caagcgctat gtactaggag ctgggagtac agagatgaga acagtcacaa gtccctcctc    9300

agataggaga ggcagctagt tataagcaga acaaggtaac atgacaagta gagtaagata    9360

gaagaacgaa gaggagtagc caggaaggag ggaggagaac gacataagaa tcaagcctaa    9420

agggataaac agaagatttc cacacatggg ctgggccaat tgggtgtcgg ttacgcctgt    9480

aatcccagca ctttgggtgg caggggcaga aagatcgctt gagcccagga gttcaagacc    9540

agcctgggca acatagtgag actcccatct ctacaaaaaa taaataaata aataaaacaa    9600

tcagccaggc atgctggcat gcacctgtag tcctagctac ttgggaagct gacactggag    9660

gattgcttga gcccagaagt tcaagactgc agtgagctta tccgttgacc tgcaggtcga    9720

c
```